AMENDMENTS TO THE CLAIMS

Claims 1-19 (Cancelled)

20. (Currently amended) A portable terminal device comprising:

an imaging unit that images an object;

a display unit that displays an image produced by said imaging unit at a predetermined frame rate;

a code-reading instructing unit that instructs that code-reading should be started; and

a code recognizing unit that recognizes a code of the imaged object in response to a code-reading instruction given by said code-reading instructing unit, and

a frame-rate control unit that renders the frame rate after the issuance of the instruction for starting code-reading into a frame rate necessary for code recognition and renders the frame rate prior to the start of code reading to be higher than the frame rate after the start of code reading.

Claim 21 (Cancelled).

22. (Currently amended) The portable terminal device according to claim 20 or 21, further comprising:

an imaging procedure switching unit that switches the imaging unit between an object mode and a code mode,

wherein, after the imaging unit is switched by said imaging procedure switching unit to a code mode and before the issuance of the instruction for starting code reading, image information is displayed on said display unit at a frame rate that is higher than the frame rate following the issuance of the instruction for starting code reading.

23. (Currently amended) The portable terminal device according to claim 20 or 21, wherein said imaging procedure switching unit changes an image captured area in said imaging unit depending on a characteristic of an imaged code.

24. (Previously presented) The portable terminal device according to claim 22 or 23, wherein said imaging procedure switching unit changes the display magnification of image information on said display unit depending on a characteristic of an imaged code.

25. (Previously presented) The portable terminal device according to claim 24, wherein said characteristic of an imaged code comprises the number of dimensions of the imaged code.

26. (Previously presented) The portable terminal device according to claim 22, wherein said imaging procedure switching unit changes at least one of gradation property, contrast, brightness, white balance, exposure, focus depth, edge enhancement, and resolution when the imaging unit is switched to code mode.

27. (Previously presented) The portable terminal device according to claim 20, further comprising a notification unit that notifies the result of recognition by said code recognizing unit.

28. (Previously presented) The portable terminal device according to claim 27, wherein said notification unit notifies the result of recognition via sound, voice, or a message displayed on said display unit.

29. (Previously presented) The portable terminal device according to claim 20, wherein the result of recognition is displayed on said display unit after code recognition is completed.

30. (Previously presented) The portable terminal device according to claim 27, further comprising a timer setting unit that counts a set time,

wherein said notification unit notifies the failure of recognition upon failure to recognize a code within a time set by said timer setting unit.

Claims 31-34 (Cancelled).

35. (Currently amended) The portable terminal device according to any one of claims ~~20 to 33~~ 20 or 22-30, wherein said portable terminal device is a cellular phone or a portable information terminal.

36. (Previously presented) The portable terminal device according to claim 20, further comprising an illuminating unit that illuminates an imaged object.

37. (Previously presented) The portable terminal device according to claim 36, further comprising illumination switching for turning on/off said illuminating unit.

38. (Currently amended) A computer-readable recording medium recorded with a program for causing a computer to execute the following steps:

imaging step for imaging an object;

imaging procedure switching step for switching between an object imaging procedure and a code imaging procedure;

displaying step for displaying an image obtained by said imaging step; ~~and~~

code recognizing step for recognizing a code of an imaged object during the code imaging procedure and

a frame rate control step that sets the frame rate prior to the start of code reading to be higher than the frame rate after the start of code reading.